



BY THE NUMBERS: Dramatic Progress Under Innovation Agenda 1.0

Broadband

- **4,000,000 Americans** trained to take advantage of high-speed broadband connections.
- **114,697 miles** of fiber optic cable deployed and **25,768 institutions like schools or hospitals** being directly connected to the Internet's backbone and becoming a hub for local high-speed broadband deployment in rural and underserved areas.
- **671,585 new broadband Internet users** connected by the Department of Commerce's Broadband Technology Opportunities Program.

Energy

- **19.5 gigawatts** of new solar energy capacity installed since the beginning of 2007. More solar was installed in 1 week in 2014, than was installed in all of 2006.
- **54.4 gigawatts** of new wind energy capacity installed since the beginning of 2007, more than a 300% increase.
- **18.1 billion** gallons of domestic renewable fuel will be used in 2016, an increase from 7 billion gallons produced in 2007.
- **64 million new cars and trucks** now on the road, more fuel efficient than ever.
- **30 billion gallons** of gasoline saved each year by 2025 thanks to updated fuel economy standards.
- **\$850 million** in private investment for 34 of ARPA-E's clean energy and efficiency technologies, building off only \$135 million in earlier-stage federal investments.

Education

- **527,000 students** took AP exams in math or science in 2013, a 33% increase from 2008.
- **818,000 graduates** with bachelor's, master's and doctorate degrees in science and engineering programs in 2013, a 28% increase from 2007.

Research and Development

- **49 percent increase** in funding for the Department of Energy's Office of Science since 2006.
- **42 percent increase** in funding for the National Institute of Standards and Technology since 2006.
- **34 percent increase** in funding for the National Science Foundation since 2006.